



YUROK TRIBE

190 Klamath Boulevard • Post Office Box 1027 • Klamath, CA 95548

IV.D. Narrative Information Sheet

1. Applicant Identification

Yurok Tribe
P.O. Box 1027
Klamath, CA 95548
EIN: 68-0178020

2. Funding Requested:

- a. *Assessment Grant* Community-wide
- b. *Federal Funds Requested*
 - i. \$299,561.89
 - ii. N/A
- c. *Contamination* Hazardous Substances and/or Petroleum and petroleum products; 50% funding requested from Hazardous Substances and 50% from Petroleum

3. Location

- a. Klamath, Weitchpec, Kepel, Wautech, Kenek, Klamath Glen, Requa,
- b. Del Norte and Humboldt Counties
- c. Yurok Tribe Indian Reservation; tribally owned and trust lands.

4. Property Information for Site-Specific Proposals N/A

5. Contacts

- a. *Project Director:*
Louisa McCovey, Environmental Director
190 Klamath Blvd., P.O. Box 1027
Klamath, CA 95548-1027
E-Mail: lomccovey@yuroktribe.nsn.us Phone: 707-482-1822 x 1009
- b. *Chief Executive/Highest Ranking Elected Official*
Joseph L. James, Yurok Tribal Chairman
190 Klamath Blvd., P.O. Box 1027
Klamath, CA 95548-1027
E-Mail: jjames@yuroktribe.nsn.us Phone: 707-482-1350

6. Population Number of tribal/non-tribal members affected: 7,000.

7. Other Factors Checklist

Other Factors	Page #
Community population is 10,000 or less.	1
The applicant is, or will assist, a federally recognized Indian tribe or US territory.	1
The priority brownfield site(s) is impacted by mine-scarred land.	N/A
The priority site(s) is adjacent to a body of water...	1
The priority site(s) is in a federally designated flood plain.	1
The redevelopment of the priority site(s) will facilitate renewable energy...	N/A
30% or more of the overall project budget will be spent on eligible reuse planning activities for priority brownfield site(s) within the target area.	1

8. Letter from the State or Tribal Environmental Authority N/A

IV.E. Narrative/Ranking Criteria

1) PROJECT AREA DESCRIPTION AND PLANS FOR REVITALIZATION

a) Target Area and Brownfields

i) Background and Description of Target Area The Yurok Indian Reservation is home to the largest federally recognized Tribe in the state of California with 6,227 enrolled members, 4,816 adults and 1,411 children under 17 years. The Reservation envelops the lower 46 miles of the Klamath River extending one mile to each side of the river from the mouth upstream, to the confluence of the Klamath and Trinity Rivers at Weitchpec. The Reservation includes over 2 miles of coastline and many miles of tributary streams. With a population of approximately 1,166, the Yurok Indian Reservation is divided into two regions: downriver and upriver. The population of the downriver community is approximately 692, and upriver 474. The downriver Reservation, with the town of Klamath and communities of Requa and Klamath Glen, is located within Del Norte County, California. The upriver Reservation is located within Humboldt County, California, and consists of the town of Weitchpec and communities Kepel, Tulley Creek, and Wautech/Pecwan. This assessment will encompass abandoned cannabis operations within or adjacent to the Yurok Indian Reservation.

ii) Description of the Priority Brownfield Site(s) The Yurok Tribe is seeking to address community concerns regarding the environmental and community health impacts of abandoned illegal cannabis cultivation sites within and adjacent to the Yurok Indian Reservation. Specific areas of concern are abandoned cannabis operations and their impacts on public health, water resources, cultural resources, natural resources and wildlife. The Yurok Tribe seeks to identify impacted areas and develop a system to prioritize cleanup of sites with the presence of or potential presence of hazardous substances, contaminants, including hazardous substances, co-mingled and unknown mixtures, and/or petroleum and petroleum products. Part of this grant is to inventory and assess all potential abandoned cannabis cultivation operations. One known example is the illegal dumping of 32 barrels of unknown substance at an abandoned cannabis cultivation site located in the Wautech/Pecwan community adjacent to the Klamath River. Puncture marks from small and large wildlife; dead vegetation, and discolored soil are all evidence of contamination from the unknown barrels.

b) Revitalization of the Target Area

i) Redevelopment Strategy and Alignment with Revitalization Plans This proposal is directly supports Strategic Measures SM-6 and SM-7 of the FY 2018-2022 U.S. EPA Strategic Plan. During the assessment phase, sites will be prioritized for the redevelopment to anticipated use for potential Tribal housing, open space and cultural activities.

ii) Outcomes and Benefits of Redevelopment Strategy Reuse development would include risk reduction to sensitive populations; such as infants, children, elderly, childbearing aged women, ceremonial participants, cultural

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practitioners and subsistence populations.

c) **Strategy for Leveraging Resources**

- i) **Resources Needed for Site Reuse** Data collected during the assessment may be utilized to leverage funds for site redevelopment/remediation through Del Norte County and the State of California.
- ii) **Use of Existing Infrastructure** During the assessment of sites, existing roadway infrastructure will be utilized.

2) **COMMUNITY NEED AND COMMUNITY ENGAGEMENT**

a) **Community Need**

- i) **The Community's Need for Funding** The Yurok Tribe community consists of minority population, less than 100,000, located in a rural and impoverished area. Area funds and resources are limited to grant funding.

ii) **Threats to Sensitive Populations**

- (1) Health or Welfare of Sensitive Population The target area lacks fully staffed tribal law enforcement, and emergency response times can take several hours leading a community to flourish in criminal behavior. The Tribe is continuously seeking funds to provide adequate job opportunities and basic utilities, like power and telephones. One public school with a population of 22 students in the most rural part of the reservation receives power from a generator. With awarded funds an assessment to identify and prioritize abandoned illegal cannabis cultivation sites that have the presence of hazardous substances, co- mingled and unknown mixtures of fertilizer and pesticides, and/or petroleum and petroleum products, illegal outdoor sewage impacting surface waters, abandoned infrastructure not meeting builder's code, and illegal dumps. Once land is restored reducing health risk will promote wellness communities for our most vulnerable infants, children, elderly, childbearing aged women, ceremonial participants, cultural practitioners and subsistence populations.
- (2) Greater Than Normal Incidence of Disease and Adverse Health Conditions In total, 2,677 Yurok enrolled members were reported in the Indian Health Services – United Indian Health Services data and self-reported living in Humboldt and Del Norte Counties and in addition, approximately 3,740 tribal members living outside the immediate area return for extended amounts of time for Tribal ceremonies and seasonal subsistence activities. All communities' members, both resident and transient have the potential to be disproportionately impacted due to environmental releases. Tribal enrollment records list 2,733 Yurok living in Humboldt and Del Norte Counties as of 2012. While no direct link between place of contaminant exposure and occupancy due to patient confidentiality can be made and allowing that these are not the identical members due to births, deaths, and movement of households into and out of the area, this project represents

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98% of the bi-county, Yurok population and would seem to accurately characterize of the Yurok Tribal Members who reside locally and indicate that Tribal members are potentially being impacted by four health outcomes that have indications of being above national rates. (1) Overall cancer rate was greater than three times the national rate for other American Indians/ Alaskan Natives (AIAN) and 40% greater than the rate for all races combined. (2) Diabetes rates were comparable to other AIAN national rates that are approximately 3 times the general population. Proteinuria, often precursor of chronic kidney disease, was found at rates over double the national average. Perinatal outcomes of spontaneous abortion and fetal malformation were great enough to be of concern to the epidemiological research staff but diagnosis coding is not comparable with National data.

- (3) Economically Impoverished / Disproportionately Impacted Populations
With more than 63% of reservation residents living on less than \$15,000 income per year and the median household income is \$28,333 the impacted population lives in poverty (U.S. Census, 2010). Due to illegal cannabis cultivation there are no codes met on grows and infrastructure leaving hazardous materials leaving hazardous drinking water for those already living in despair.

b) Community Engagement

- i) **Community Involvement** The community within and adjacent to the Yurok Tribe Indian Reservation will be encouraged to participate and provide insight to identify priority sites during scoping sessions, community events, district and council meetings. YTEP will seek working sessions with the Yurok Tribe Cannabis Task Force to inform them on the project status and seek input.
- ii) **Incorporating Community Input** The development of educational materials in the form of semi-annual Yurok Tribal newsletter articles, web-based information, and presentations at advisory meetings will communicate status of project progress.

3) TASK DESCRIPTIONS, COST ESTIMATES, AND MEASURING PROGRESS

a) Description of Tasks and Activities

The Project has three primary objectives:

1. *Conduct Baseline Condition Assessment:* In the first 12 months of the Project, the Tribe will utilize 2 qualified staff to complete a series of baseline condition assessments of current land use for evidence of adverse environmental impacts indicative of abandoned illegal cannabis cultivation on the Yurok Reservation and adjacent lands, through the use of aerial imagery and GIS analysis of available information obtained from Project partners and other sources, including previously identified sites of concern; and
2. *Expand Tribal Environmental Capacity:* During the first 12 months of the Project, the Tribe will expand staff and program capacity through the training of 2 project staff in GIS, Aerial Photo Interpretation, Drone Piloting and Drone Photography. By the end of the 36th month, 4 tribal staff will have completed preliminary and advanced

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trainings to identify, assess, document, record and effectively communicate the environmental, financial and community health impacts of illegal cannabis cultivation operations. By the end of the 36th month, 4 tribal staff will have completed preliminary and advanced training in contaminated site assessment; and

3. *Complete Environmental Prioritization Framework:* By the end of the 36 month Project, the Tribe will establish a remediation prioritization matrix or ranking system, with guidelines protecting tribal resources and community health and assess adverse environmental impacts on Yurok Tribal Lands.

To achieve these goals, the following tasks and activities are necessary:

- Task 1: Preparation, Review and collection of archival data**
- 1.1 Review data from previous Operation Yurok activities
 - 1.2 GIS Training and mapping developing training
 - 1.3 Develop Strategy for site visits and access permissions
 - 1.4 Cannabis assessment training and 40 HAZWOPER
- Task 2: Site matrixes assessment development**
- 2.1 Develop Matrixes for Prioritizing Site Cleanup
 - 2.2 Consult with appropriate tribal committee or taskforce
 - 2.3 Seek approval from OTA
- Task 3: Assessment of Cannabis Grow sites**
- 3.1 Site visits for abandoned cannabis grows
 - 3.2 Coordinate with Public Safety for potentially dangerous sites
- Task 4: Data Input and Analysis**
- 4.1 Input data into brownfield inventory for cannabis grows
 - 4.2 Analysis the data to determine priority rankings
- Task 5: Revisit Priority Sites**
- 5.1 Further data, field soil, waste samples, drone footage
 - 5.2 Input new data
 - 5.3 Write up short report for top ranked abandoned cannabis sites
- Task 6: Phase 1 ESA development and report**
- 6.1 ASTI Environmental Assessment Certification training
 - 6.2 Write three Phase 1 ESA for top ranking grow sites for cleanup
- Task 7: Community Engagement**
- 7.1 Update council on current status of project
 - 7.2 Present findings to affected districts
 - 7.3 Write two Yurok Newsletter Articles addressing assessment

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b) Cost Estimates and Outputs

YUROK TRIBE'S COMMUNITY WIDE ASSESSMENT BROWNFIELDS GRANT PROPOSED BUDGET							
	Project Tasks						
Budget Catagories	Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7
Personnel	17,264.00	8,632.00	51,792.00	8,632.00	21,580.00	17,264.00	4,316.00
Fringe Benefits	5,351.84	2,675.92	16,055.52	2,675.92	6,689.80	5,351.84	1,337.96
Travel	3,500.00	0.00	0.00	0.00	0.00	6,000.00	0.00
Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Supplies	8,500.00	2,500.00	13,300.00	2,500.00	5,250.00	3,500.00	2,250.00
Contractual	0.00	0.00	0.00	0.00	30,000.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Direct Costs	34,615.84	13,807.92	81,147.52	13,807.92	63,519.80	32,115.84	7,903.96
Total Indirect Costs	7,380.10	2,943.85	17,300.65	2,943.85	13,542.42	6,847.10	1,685.12
Total Budget	41,995.94	16,751.77	98,448.17	16,751.77	77,062.22	38,962.94	9,589.08
						TOTAL BUDGET	299,561.89

c) Measuring Environmental Results

Measuring environmental results will be achieved through several different methods. The assessment of the abandoned cannabis grows will measure the extent of environmental damage of a property. The analysis of environmental damage will examine the amount of potential hazardous waste and petroleum products were left behind. In addition to hazardous and petroleum product waste, the assessment will include an inventory of solid waste, vehicles, structures and contaminated organic waste such as spent grow media and fertilizers.

The Yurok Tribe Environmental Program keeps tracks of an upward of 10-15 grants at a time. The method the department uses to maintain compliance with grant requirements and for measuring performance are monthly reports to the Yurok Tribal Council. The Tribe has an internal review committee for every grant that meets quarterly to review progress of the grant and whether or not the grantee is adequately meeting the grant's state outputs. YTEP's Pollution Prevention Division uses Gantt Charts for grant planning and tracking. This method of grant management has worked well for YTEP and provides the internal grants management committee with measurable outcomes.

4. PROGRAMMATIC CAPABILITY AND PAST PERFORMANCE

a) Programmatic Capability

- i) **Organizational Structure** The Yurok Tribe uses a financial management system called MIP. This accounting software is used by managers to look at exact expenditures and accounting for all line items in the grant. The Tribe breaks down an awarded grant budget into approximately 52 line items to maintain financial accountability. The procurement process developed by the Tribe requires all expenditures from an awarded grant to be processed through a grant compliance officer for approval before being forwarded to the fiscal department. The grants

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compliance officer maintains copies of all grants received by the tribe and ensures the grantee complies with the requirements of the grantor and the Tribe's own internal budgeting requirements. The grant compliance officer is a member of the grants internal review committee.

ii) Acquiring Additional Resources Contactors or subcontractors are not required for completion of this grant proposal and workplan.

b) Past Performance and Accomplishments The Yurok Tribe has not received an EPA Brownfields Grant of this kind, but has received other federal or non-federal assistance agreements. YTEP has successfully completed several grants of this magnitude and larger since the program's inception in 2000. YTEP has a great reputation for filing thorough, adequate workplan and financial progress reports on time, and is not delinquent on any grant deliverables. The Yurok Tribe has successfully received and managed Performance Partnership Grants (PPG) and Brownfields Tribal Response Program grants. Both grants include comparable work to this funding request.

i) N/A

ii) Performance Partnership Grant

Project Period: 10/01/15-09/30/18

Total Project Award: \$1,464,736.00

Reporting Method: Quarterly

Purpose: Funds support the Water Pollution Control, Nonpoint Source Management, Wetlands Protection and General Assistance Programs. Major activities include: monitoring and analyzing water quality (wq); revising wq standards; issuing wq permits; revising quality assurance documents; assessing nonpoint source pollution; updating a wetlands wq control plan; conducting accretion surveys; consulting and coordinating with various entities; writing and administering grants; revising codes and ordinances; strengthening environmental assessment capability; monitoring pesticides applications; identifying and closing illegal dumps; conducting community outreach and education; and training staff.

State and Tribal Response Program

Project Period: 10/01/14-09/30/18

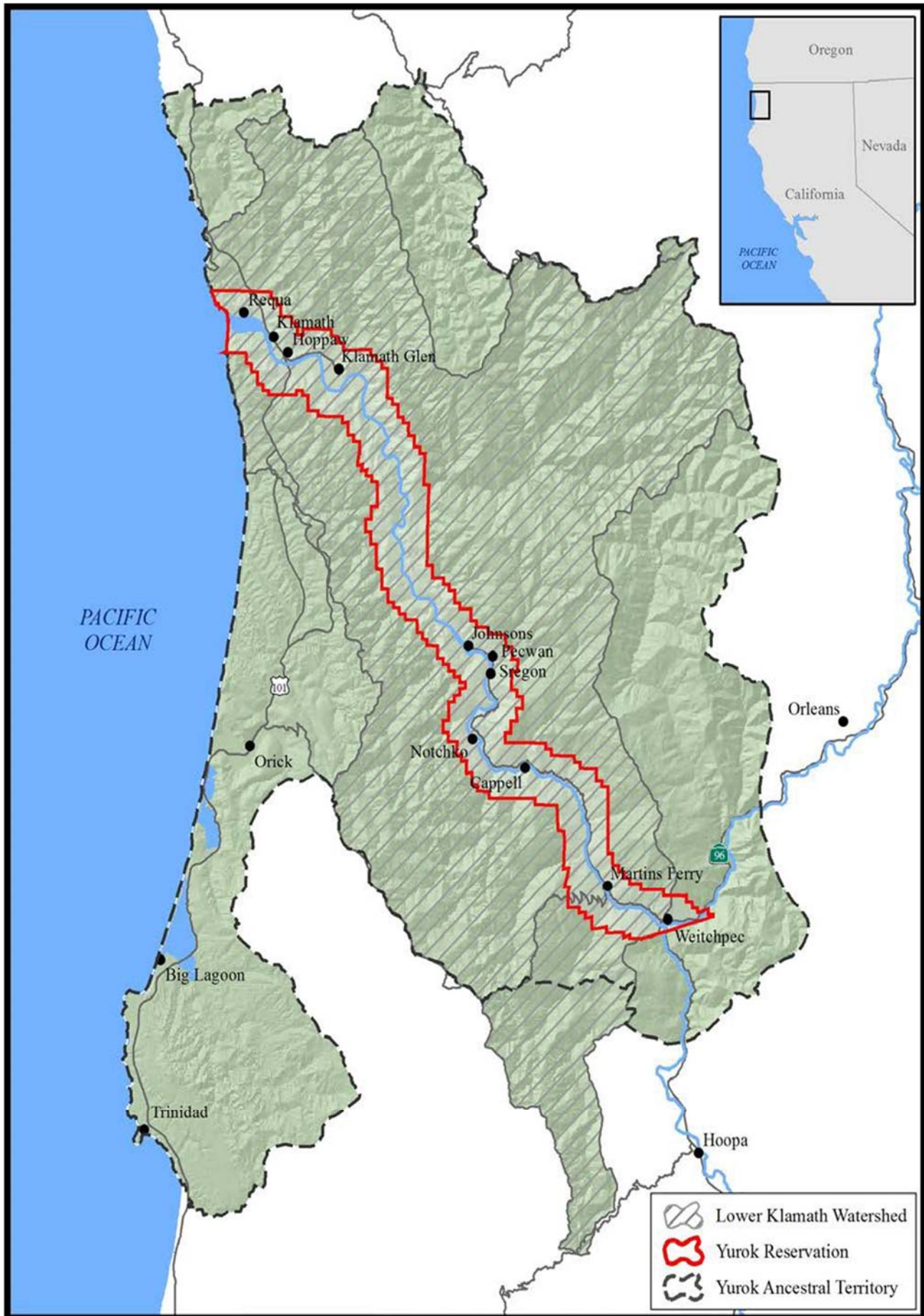
Total Project Award: \$1,086,527.00

Reporting Method: Quarterly

Purpose: Funds support the Yurok Tribe response program that includes timely survey and inventory of brownfield sites; oversight and enforcement authorities to ensure that response actions protect human health and the environment; resources to provide meaningful public involvement; mechanisms for approval of a cleanup plans and verification of complete responses.

IV.F. Leveraging N/A

Yurok Tribe Brownfields Assessment Grant FY 2019
Proposed Service Area Map: Yurok Reservation



Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

01/30/2019

4. Applicant Identifier:

5a. Federal Entity Identifier:

EPA-OLEM-OBLR-18-06

5b. Federal Award Identifier:

66.818

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: Yurok Tribe of the Yurok Reservation

* b. Employer/Taxpayer Identification Number (EIN/TIN):

680178020

* c. Organizational DUNS:

6229703660000

d. Address:

* Street1:

Post Office Box 1027

Street2:

190 Klamath Boulevard

* City:

Klamath

County/Parish:

Del Norte

* State:

CA: California

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

95548-1027

e. Organizational Unit:

Department Name:

Environmental Department

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

* First Name:

Louisa

Middle Name:

* Last Name:

McCovey

Suffix:

Title: Environmental Director

Organizational Affiliation:

* Telephone Number:

707-482-1822 ext. 1009

Fax Number:

* Email: lomccovey@yuroktribe.nsn.us

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

I: Indian/Native American Tribal Government (Federally Recognized)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.818

CFDA Title:

Brownfields Assessment and Cleanup Cooperative Agreements

* 12. Funding Opportunity Number:

EPA-OLEM-OBLR-18-06

* Title:

FY19 GUIDELINES FOR BROWNFIELDS ASSESSMENT GRANTS

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

1236-MAP Proposed Service Area.pdf

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

Yurok Tribe Brownfield Project addressing environmental and community health impacts of abandoned illegal cannabis cultivation sites.

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:*** a. Applicant * b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:* a. Start Date: * b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="299,561.89"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="299,561.89"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☒ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title: * Telephone Number: Fax Number: * Email: * Signature of Authorized Representative: * Date Signed: